

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently Amended) A method of treating a malignant tumor cancer comprising administering to a subject at least one *Perna canaliculus* or *Mytilus edulis* mussel component which exhibits cytotoxicity to malignant tumor cells, wherein the at least one *Perna canaliculus* or *Mytilus edulis* mussel component is provided as freeze-dried ground whole mussel or as an extract from freeze-dried ground whole mussel extracted with a polyoxyethylene sorbitan ester non-ionic surfactant.

2. (Original) The method of claim 1, wherein the cancer treated is leukemia, osteosarcoma, cervical cancer, kidney tumors, monocytic leukemia, prostrate cancer, estrogen dependent or non-estrogen dependent breast cancer, melanoma, or bladder cancer, in a human.

3. (Original) The method of claim 1, wherein the cancer treated is leukemia, osteosarcoma, cervical cancer, kidney tumors, or monocytic leukemia in a human.

4. (Original) The method of claim 1, wherein the at least one *Perna canaliculus* or *Mytilus edulis* mussel component is provided as freeze-dried ground whole mussel.

5. (Canceled)

6. (Original) The method of claim 1, wherein the at least one *Perna canaliculus* or *Mytilus edulis* mussel component is provided as an extract from freeze-dried ground whole mussel extracted with a polyoxyethylene sorbitan ester non-ionic surfactant.

7. (Original) The method of claim 6, wherein the extract is purified by ultrafiltration to remove materials of a size less than 100 kD.

8. (Original) The method of claim 6, wherein the extract is purified by ultrafiltration to remove materials of a size less than 300 kD.

9. (Original) The method of claim 6, wherein the extract is purified by ultrafiltration to remove materials of a size less than 100 kD and materials of a size more than 300 kD.

10. (Original) The method of claim 6, wherein the extract is treated with an agent providing OH⁻ ions such that it has a basic pH.

11. (Original) The method of claim 6, wherein the extract has a pH in the range from above 7 to 9.

12. (Original) The method of claim 1, wherein the component is a *Perna canaliculus* mussel component.

13. – 26. (Canceled)

27. (New) The method of claim 6, wherein the extract is an extract from a *Perna canaliculus* mussel component.